

Мирошниченко, В.М.; Кривошев, В.С.; Кривошев, В.С.; Мирошниченко, В.М.

Изучение и формирование пористой структуры  
при высыхании гидрогеля силициевой кислоты в зависимости от времени высыхания.

(МИА 17:10)

Изд. № 100-100-3-6-111.

Институт химии Академии наук УССР им. Писаржевского.

SHEYNFAYN, R. Yu.; LIPKIND, B.A.; STAS', O.P.; NEYMARK, I. Ye.

Mechanism of the porous structure formation in silica gel.  
Part 3: Role of aging of neutral and alkaline hydrogels in  
the formation of the porous structure of xerogels. Koll.  
(MIRA 18:1)  
zhur. 26 no.6:734-738 N-D '64

1. Institut fizicheskoy khimii imeni L.V.Pisarzhevskogo AN  
UkrSSR i Gor'kovskaya opytnaya baza Vsesoyuznogo nauchno  
issledovatel'skogo instituta po pererabotke nefti i gaza i  
polucheniyu zhidkogo topliva.

Figure 10. The effect of the number of iterations on the quality of the solution.

• 8 •

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Wolff, 1971). The distribution of *Streptomyces* in the soil is therefore of interest.

Part 1a: Read a 25-30 min. segment of the news item. Then answer the following questions about the news item.

Effects of variation of  $\sigma_1$  1000, 100, and 10000 on  $\sigma_2$  1000, 100, 10000, 100000.

hypocellus 18910. 91. 200. 17. 19. (60.68 10.12)

— Muziek en Muzikanten — De Muziek en de Muzikanten

1<sup>o</sup> Instituto Federal de Minas Gerais -

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549330005-1"

VARVAK, P.M.; KIRIYENKO, V.I.; CHUDNOVSKIY, V.G.; KRYLOV, V.K.; BRAUDE,  
Z.I.; EKIMYAN, V.A.; IVANOV-DYATLOV, A.I.; FRANOV, P.I.; ASHANTOV,  
A.Ye.; BERDICHEVSKIY, N.M.; IZAKSON, S.I.; YEGZLOV, V.I.; KOLESNIK,  
K.S.; KUYDICH, S.A.; SVERDLOV, A.I.; SIMON, Yu.A.; SHEYNFAYN, S.R.;  
BOLOTIN, V.V.; GOL'DENBLAT, I.I.

Book reviews and bibliography. Stroi. mekh. i rasch. scor. 3  
(MIRA 15:4)  
no.6:46-50 '61.  
(Bibliography--Structures, Theory of)

LUCHANSKIY, L.N.; DAVYDOV, A.V.; SHEYNFEL'D, B.Sh.

Using tall oil for the preparation of rosin-containing alkyd resins. Lakokras. mat. i ikh prim. no.6:75-77 '61. (MIRA 15:3)

1. L'vovskiy lakokrasochnyy zavod.  
(Tall oil) (Gums and resins)

SHEYNFELD, N., kand. tekhn. nauk

Effective methods of testing large structural elements. Na  
stroj. Ros. 3 no.10:30-31 0 '62. (MIRA 16:6)

(Precast concrete--Testing)

BERDICHESKII, G.I., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MIKHAYLOV, K.V., kand.tekhn.nauk; GVOZDEV, A.A., prof., doktor tekhn.nauk; MIKHAYLOV, V.V., prof., doktor tekhn.nauk; BULGAKOV, V.S., kand.tekhn.nauk; VASIL'YEV, A.P., kand.tekhn.nauk; YEVGEN'YEV, I.Ye., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SVETOV, A.A., kand.tekhn.nauk; FRENKEL', I.M., kand.tekhn.nauk; BELOBROV, I.K., inzh.; MATKOV, N.G., inzh.; MITNIK, G.S., inzh.; SKILYAR, B.L., inzh.; SHILOV, Ye.V., inzh.; MASENKO, I.D., inzh.; NIZHNIKOV, I.P., inzh.; FILIPPOVA, G.P., inzh.; MIZERNYUK, B.N., kand.tekhn.nauk; SHEYNEFEL'D, N.M., kand.tekhn.nauk; BALAT'YEV, P.K., kand.tekhn.nauk; BARBARASH, I.P., kand.tekhn.nauk; MITGARTS, L.B., kand.tekhn.nauk; SHIFRIN, M.A., kand.tekhn.nauk; PETROVA, V.V., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Temporary instruction on the technology of making prestressed reinforced concrete construction elements] Vremennais instruktsiia po tekhnologii izgotovleniya predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materiale, 1959. 255 p. (MIRA 12:12)

(Continued on next card)

BERDICHEVSKIY, G.I.---(continued) Card 2.

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov; Berdichevskiy, Bulgakov, Vasil'yev, Dmitriev, Yevgen'yev, K.V.Mikhaylov, Mulin, Svetov, Frenkel', Belobrov, Matkov, Mitnik, Sklyar, Shilov). 3. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskikh issledovaniy Akademii stroitel'stva i arkhitektury SSSR (for Masenko, Nizhnichenko, Filippova, Mizernyuk, Sheynfel'd). 4. Nauchno-issledovatel'skiy institut Glavmospormstroymaterialov (for Balat'yev, Barbarash). 5. Nauchno-issledovatel'skiy institut po stroitel'stvu Minstroya RSFSR (for Mitgarts, Shifrin). 6. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov).

(Prestressed concrete)

SHEYNEFEL'D, N.M., kand.tekhn.muk; BULGAKOVA, V.V., inzh.

Remarks on S.S.Krotovskii's book "Field testing of large  
precast reinforced concrete construction elements." Bet.i  
zhel.-bet. no.6:291-292 Je '60. (MIRA 13:7)  
(Precast concrete--Testing)  
(Krotovskii, S.S.)

BALDEI, V.A., doktor tekhn.nauk; SHEYNFEL'D, N.M., kand.tekhn.nauk  
Roof trusses from steel pipes. Prom.stroi. 43 no.12:27-29  
'65. (MIRA 18:12)

SHEYNFEL'D, N., kand.tekhn.nauk; MASLOBOYSHCHIKOV, A., tekhnik

Stand for testing large construction elements. Stroitel' no.7:  
(MIRA 13:8)  
22-24 Jl '60.  
(Girders--Testing)

SHEYNFEL'D, N.M., kand.tekhn.nauk

Dismountable stand for testing beams, wall panels, and girders.  
Bet. i zhel.-bet. no. 3:135-136 Mr '61. (MIRA 14:5)  
(Prestressed concrete—Testing)

*SHEYNFEL'D, N.M., kand.tekhn.nauk*

Quality control methods for structural elements must be  
improved. *Prav. stroi. 40 no.9:58-59 '62. (MIRA 15:11)*  
(Building materials—Testing)

BALDIN, V.A.; BELYAYEV, B.I.; SOKOLOVSKIY, P.I.; SHEYNFEL'D, N.M.;  
ARONE, R.G.

Steels of increased and high strength for structural elements.  
(MIRA 17:6)  
Prom. stroi. 41 no.1:17-21 Ja '64.

RAIDIN, V.A., doktor tekhn. nauk; SHF(Nerl'D), N.M., kand. tekhn. nauk

Using thin-walled closed profiles in metal structures.  
Prom. stroi. 42 no.1:32-34 '65. (MTRA 18:3)

L 16702-65 ENT(1)/EPA(s)-2/EPF(n)-2/ENG(v)/EPR/EWA(1) Pe-5/Ps-4/Pt-10/  
Pu-4 ESD(t)/AEDC(a)/SSD/AFWL/RAEM(a) WW  
S/0058/64/000/010/E006/E006 B

ACCESSION NR: AR5000791

SOURCE: Ref. zh. Fizika, Abs. 10E43

AUTHORS: Sheynfel'd, V. L.; Rykov, V. I.

TITLE: Thermal conductivity of normal liquids, and its connection with some other physical parameters

CITED SOURCE: Uch. zap. Kishinev. un-t., v. 69, 1964, 30-34

TOPIC TAGS: thermal conductivity, liquid state, speed of sound, refractive index, surface energy, temperature dependence

TRANSLATION: Formulas are obtained relating the coefficient of thermal conductivity of a liquid with the heat of evaporation, the specific surface energy, and the speed of sound in the liquid. A relation is obtained between the speed of sound in the liquid and the total free surface energy. It is shown that this relation gives the temperature dependence of the speed of sound, which is in much better agreement with experiment than the known formulas of Altenburg

Card 1/2

L 16702-65  
ACCESSION NR: AR5000791

and Auerbach. A relation is obtained between the speed of sound in the liquid and its refractive index.

SUB CODE: GP, TD

ENCL: 00

Card 2/2

L 9211-66 EWT(j)/EWT(m)/ETC(SH4,m)/EWP(j)/ETC(m) RPL 65/11/84  
ACC NR: AR6000118 SOURCE CODE: UR/0058/65/000/008/E008/E008

SOURCE: Ref. zh. Fizika, Abs. 8E53

AUTHORS: Rykov, V. I.; Sheynfel'd, V. L.; Yakovleva, G. S.

ORG: none

TITLE: On the Frenkel'-Gubanov formula and the relation between the speed of sound, heat of evaporation, and surface energy 44,55

CITED SOURCE: Uch. zap. Kishinevsk. un-t, v. 75, 1964, 31-34

TOPIC TAGS: surface tension, temperature dependence, thermodynamic law, sound propagation, thermal expansion, evaporation 21,04,55

TRANSLATION: Starting from the well-known Frenkel'-Gubanov formula for the temperature coefficient of surface tension, the authors establish with the aid of several thermodynamic laws the relation between the speed of sound, heat of evaporation, free surface energy, and thermal coefficient of volume expansion for normal liquids. A relation is established between the speed of sound and the boiling temperature.

SUB CODE: 20

Card 1/1

ACC NR: AR7000883

SOURCE CODE: UR/0058/66/000/009/E107/E107

AUTHOR: Sheynsel'd, V. L.

TITLE: Temperature dependence of the galvanomagnetic and thermomagnetic properties of bismuth antimony alloys with lead impurities

SOURCE: Ref. zh. Fizika, Abs. 9E851

REF SOURCE: Sb. Materialy IV Konferentsii molodykh uchenykh Moldavii, 1964,  
Sekts. fiz.-matem. Kishinev, 1965, 43-47TOPIC TAGS: <sup>bismuth</sup> alloy, ~~bismuth~~ antimony alloy, ~~impurity~~, ~~alloy impurity~~,  
galvanomagnetic effect, thermomagnetic effect, temperature dependence, metal  
property, magnetic propertyABSTRACT: The galvanomagnetic and thermomagnetic properties of Bi-Sb  
(0.1, 0.3, 0.5, and 1 atomic % Sb) with Pb impurities (0.1, 0.3, 0.5, and 1 atomic %  
Pb) were investigated in the 30-200°C temperature range. The dependence of the  
specific resistance  $\rho(T)$  of the Bi-Sb alloy with an Sb concentration of over 1%  
has a minimum which shifts toward the higher temperatures with the addition of  
Pb. The Hall coefficient R and magnetic resistance  $(\Delta\rho/\rho)$  decrease with an

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ACC NR: AR7000883

increase in T and in the concentration of both Sb and Pb. However, in a weak field H, the curve R (atomic % Pb) has a maximum. The relationships of thermoelectric efficiency of alloys  $\alpha$ (T) and  $\alpha$  (atomic % Pb) have maximums which depend on the Sb concentration. The dependence curve of Nernst-Ettingshausen's (N-E) longitudinal coefficient against T shows a positive maximum in most cases. In individual specimens there are temperature intervals in which the coefficient N-E < 0. The results obtained are explained by the decrease in the overlap of the valence band and the conductivity zone with the Sb impurity to Bi, and by the decrease in the electron concentration in the conductivity band of the Bi-Sb alloy to which the Pb impurity is added. Yu. Ogrin. [Translation of abstract]

[GC]

SUB CODE: 20//

Card 2/2

L 8556-66 EWT(1)/EWT(m)/EPF(n)-2/EWP(j)/EWA(h)/ETC(m)/T/EWA(d) RPL  
 ACCESSION NR: AP502117K RM/WW/JW

UR/0139/65/000/004/0108/0111 65

AUTHOR: Rykov, V. I.; Sheynfel'd, V. L. 44,5

TITLE: The application of the Frenkel-Gubanov formula to normal liquids with  
 polyatomic molecules 7,44,5 61 B

SOURCE: IVUZ. Fizika, no. 4, 1965, 108-111

TOPIC TAGS: <sup>21, 44, 55</sup> heat capacity, heat of vaporization, heat theory, liquid property

ABSTRACT: The formula of Ya. I. Frenkel and A. Gubanov (ZhETF v. 16, no. 5, 435,  
 1946) for the temperature coefficient of the surface tension 1

$$\nu^{2/3} \frac{d\sigma}{dT} = -\frac{2}{3} \alpha \nu^{2/3} - \frac{\sigma \nu^{2/3} (C_p - C_v)}{L} - 0.84$$

is found to differ from the experimental values of certain normal liquids by 30--  
 50%. The constant 0.84 is not universal and should, according to Frenkel and  
 Gubanov, depend on the structure of the molecules because of the neglect of the  
 effect of the surface on the rotational and internal degrees of freedom of poly-  
 atomic molecules. For organic liquids the constant is found to be about 3/2. It  
 is shown further that the Frenkel-Gubanov formula can also be very useful for ob-  
 taining semi-empirical relations if the constant 0.84 is replaced by a quantity

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L 8556-66

ACCESSION NR: AP5021177

proportional to the Eotvos coefficient, with a proportionality constant  $2/3$ . A new relation between the heat of evaporation and the difference between the heat capacities is obtained which is in good agreement with experiment. It can be useful for calculating the difference between the heat capacities of a liquid at constant pressure and volume. Orig. art. has: 2 tables and 10 formulas.

ASSOCIATION: Kishinevskiy gosuniversitet (Kishinev State University) 44,55  
SUBMITTED: 250ct63 ERCL: 00 SUB CODE: GP, TD  
NR REF Sov: 006 OTHER: 004

SHEYNFINKEL', V.M., inzh.

Hydraulic, pneumatic, and electrical devices in prostheses of  
the upper extremities (Review of foreign literature and patents).  
Ortop., travm.i protez. no.5:65-69 '61. (MIRA 14:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta prote-  
ziroveniya (dir. - dotsent M.V. Strukov).  
(PROSTHESIS)

KRIVKOV, G.A., polkovnik meditsinskoy sluzhby; VEKSLER, Ya.I., mayor meditsinskoy sluzhby, kandidat meditsinskikh nauk; YEFREMOV, A.S., mayor meditsinskoy sluzhby; ~~SHVYNGERTS, A.R.~~, podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk; RUMOVSKIY, D.N., polkovnik meditsinskoy sluzhby.

Course of experimental pneumonia following damage by radiation.  
Voen.-med.zhur. no.7:41-45 J1 '56. (MLRA 9:11)  
(RADIATION SICKNESS) (PNEUMONIA)

TSUKERMAN, M.A., kand.med.nauk; VEKSLER, Ya.I., kand.med.nauk; SIZYAKIN, P.S.;  
TERENT'YEV, N.I.; KORZAN, D.P.; RUMOVSKIY, D.N.; SHEYNGERTS, A.R.,  
kand.med.nauk; BRUN, S.A. (Rostov-na-Donu)

Basis for early necrectomy in experimental third degree burns.  
Ortop., travm. i protez. 18 no.5:44-49 S-0 '57. (MIRA 12:9)  
(BURNS AND SCALDS)

17(2)

SOV/177-58-11-5/50

AUTHORS: Runovskiy, D.N., Colonel of the Medical Corps and  
Sheyngerts, A.R., Lieutenant-Colonel of the Medical  
Corps, Candidate of Medical Sciences

TITLE: Lethal Outcomes of Ileus

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 11, pp 17 -  
21 (USSR)

ABSTRACT: The article is based on 378 dissection reports of pa-  
tients who died of ileus in the course of 9 years  
and on data of Ya.L. Rappoport, A.I. Abrikosov, A.V.  
Rusakov and A.M. Vakhurkina. In 58.2% of the cases,  
death was caused by strangulation ileus, in 29.9%  
by spastic ileus, in 8.2% by the occlusive form and  
in 3.7% by the dynamic form. Most of the lethal out-  
comes in ileus were due to late operation. The in-  
tervals from the beginning of the disease up to the  
operation are shown in table 1. The author stresses  
the importance of taking organizational measures in  
order to reduce the diagnostic period in medical

Card 1/2

TSUKERMAN, M.A.; VEKSLER, Ya.I.; SIZYAKIN, P.S.; RUNOVSKIY, D.N.; SHEYNGERTS, A.R.

Immunotherapy of thermal burns in radiation diseases. *Vest.khir.*  
83 no.7:130-135 Jl '59.  
(MIRA 12:11)  
(BURNS AND SCALDS) (SERUM THERAPY) (RADIATION SICKNESS)

TSUKERMAN, M.A.; VEKSLER, Ya.I.; SIZYAKIN, P.S.; RUNOVSKIY, D.N.;  
SHEYNGERTS, A.R. (Rostov-na-Donu)

Treatment of burn-radiation sickness with serum of burn convalescents  
in combination with early necrectomy. Pat. fiziol. i eksp. terap.  
4 no. 5:3-7 S-0 '60. (MIRA 13:10)  
(RADIATION SICKNESS) (BURNS AND SCALDS) (SERUM)

27.1220

25253

S/177/60/000/007/008/011  
D264/D304

AUTHORS:

Grivkov, G.A., Colonel, Medical Corps, Veksler,  
Ya.I., Candidate of Medical Sciences, Lieutenant  
Colonel, Medical Corps, and Sheyngerts, A.R.,  
Candidate of Medical Sciences, Lieutenant Colonel,  
Medical Corps

TITLE:

The features of the course of certain ailments of  
the internal organs against a background of radia-  
tion afflictions

PERIODICAL:

Voyenno-meditsinskiy zhurnal, no. 7, 1960, 45-51

TEXT: In view of the absence of published information on changes  
in the clinical course of internal diseases as a result of radia-  
tion ailments, the authors studied the course of certain diseases  
against a background of radiation sickness. The present article  
deals with the results of a study of experimental exudative pleuri-  
tis and myocarditis complicated by acute radiation sickness. Data  
on experimental pneumonia complicated by radiation sickness can be

X

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The features of the course...

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S/177/60/000/007/008/011  
D264/D304

found in Voyenno-meditsinskiy zhurnal, no. 7, 1956. Assisted by M.S. Lipovetskiy, the authors studied exudative pleuritis in rabbits: a) without radiation sickness, b) with radiation sickness but without pleuritis, c) with pleuritis evoked immediately after irradiation and d) 7 days after irradiation. The total radiation dose was 502 r. It was found that exudative pleuritis complicated by radiation sickness had a number of features peculiar only to the combined ailment: marked and rapid development of anemia; stormy course of pleuritis of a definite hemorrhagic nature; the formation of extensive blood clots in the pleural cavity; considerable retardation of exudate resorption; complication by pneumonia; high mortality. The disease was most severe cases where pleuritis was evoked at the height of radiation sickness. The experimental myocarditis tests were conducted in a similar manner with the assistance of D.P. Korzan and V.P. Palamarchuk. The course of myocarditis in the irradiated animals (as compared with the intact rabbits) was much more severe, often with progressive leukopenia (usually accompanied by lymphopenia) and a high mortality rate (11 out of 17 animals). The myocardium seemed to be affected earlier and more deeply than in

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The features of the course...

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S/177/60/000/007/008/011  
D264/D304

the intact animals. The results show that radiation gives pleuritis and myocarditis features that are not typical of the pathological process in non-irradiated animals. There are 2 tables.

SUBMITTED: February, 1960

X

Card 3/3

KRIVKOV, G.A.; VEKSLER, Ya.I.; KORZAN, D.P.; SHEYNGERTS, A.R.;  
KVASABOVA, V.A.; PALAMARCHUK, V.P.

Experimental myocarditis in acute radiation sickness. Pat.  
fiziol. i eksp. terap. 6 no.4:81-83 Jl-Ag '62. (MIRA 17:8)

VEKSLER, Ya.I., kand. med. nauk; USHAYEVA, I.I.; RADYUK, L.I.;  
SHEYNGERTS, A.R., kand. med. nauk

Characteristics of the course of alloxan diabetes in  
animals injured by penetrating radiation. Probl. endok. i  
gorm. 9 no.3:40-43 My-Je '63. (MIRA 17:1)

KHANIN, I.M.; KUPRIYENKO, I.G.; SHEYNGOLD, M.A.; YARENCHUK, V.A.

Basic trends in the development of the construction of coke ovens abroad using the underjet gas distribution system. Koks i khim. no.7:58-64 '60. (MIRA 13:7)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut.

(Coke ovens)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549330005-1

"An A1's current with mechanical Drive for Planning" and Plated on "the shot"  
Starrett Instrument, 17 Vcc 10-11, 12'6.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549330005-1"

SHEVCHENKO, E. M. and V. L. MOREEV.

Remont oborudovaniia liteinykh tsekhov mashinostroitel'nykh zavodov.  
Kiev, Mashgiz, (Ukr. otd-nie) 1950. 169 p. diagrs.

Bibliography: p. 168.

Repair of foundry equipment in machine-building plants.

DLC: TJ1165.M6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

1. SHEYNGOL'D, YE. M., Eng. FRIDLAND, V.A.
2. USSR (600)
4. Machine Tools - Maintenance and Repair
7. Changing the methods of planning repair periods for equipment. Vest mash. No. 1  
1953
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1973-1974 **W. D. Leppla** **FRANKLIN**

POMERANTSEV, Vadim Grigor'yevich; SHEYNGOL'D, Yefim Markovich; AFONINA, G.;  
veduchi redaktor: KUDRYAVTSEV, G., veduchi red.; PATSALYUK, P., tekhn.red.

[Modernization of machine tools] Modernizatsiia metalorizal'nykh verstativ. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1957. 62 p.  
(MIRA 10:12)

### (Machine tools)

ABRAMOVICH, I.I., prof., ANBINDER, A.G., inzh., ANTOSHIN, Ye.V., inzh., ARKHANGEL'SKIY, L.A., inzh., ASTAF'YEV, S.S., kand. tekhn. nauk, AFANAS'YEV, L.A., inzh., BARGSTEYN, I.I., inzh., BORISOV, Yu. S., inzh., red., BYALYY, I.L., inzh., VETVITSKIY, A.M., inzh., GERSHMAN, D.Kh., inzh., GINZBURG, Z.M., inzh., GOROSHKIN, A.K., inzh., YEVDOKIMCHIK, Kh.I., inzh., ZHIKH, V.A., kand. tekhn. nauk, ZABYVAYEV, Ye. I., kand. tekhn. nauk, [deceased], ZQBIN, V.S., inzh., IVANOV, G.P., kand. tekhn nauk, KAPRANOV, P.N., inzh., KONDRAUTOVICH, V.M., inzh., KOSTEREV, S.K., inzh., KOVAL'SKIY, N.N., inzh., KRUGLYAK, L.A., inzh., LUKYANOV, T.P., inzh., LAPIDUS, A.S., kand. tekhn. nauk, LIVSHITS, G.A., kand. tekhn. nauk, LISHANSKIY, I.M., inzh., MIGALINA, Ye.Ya., inzh., NOSKIN, R.A., kand. tekhn. nauk; PRONIKOV, A.S., doktor tekhn. nauk, REGIRER, Z.L., kand. tekhn. nauk, RUDYK, M.A., inzh., SOKOLOVA, N.V., inzh., SAKLINSKIY, V.V., inzh., SAKHAROV, V.P., inzh., TOKAR', M.KH., inzh., TKACHEVSKIY, G.I., inzh., KHRUNICHEV, Yu.A., kand. tekhn. nauk, TSOPIN, K.G., inzh., red.; SHEYNGOL'D, Ye. M., inzh., SOKOLOVA, T.F., tekhn. red.

[Handbook for machinists of machinery plants in two volumes] Spravochnik mekhanika mashinostroitel'nogo zavoda v dvukh tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 2. [The technology of repair work] Tekhnologiya remonta. Otv. red. toma IU. S. Borisov, 1958. 1059 p. (MIRA 11:10)

(Machinery--Maintenance and repair)  
(Machine-shop practice)

ANTOSHIN, Ye.V.

.25(5)

PAGE 1 BOOK EXPLANATION

SERV/3551

*opravleniye mehanicheskikh ustroystv* [repaired devices & drift tanks].  
 G. 2: Tekhnicheskaya remonta [Handbook for Mechanics-building  
 Plants in Two Volumes. Vol. 2: Technology or Repair of Machine-building  
 Plants], 1959. V.1, 1959 p. 10,000 copies printed.  
 Nary, M. I. Ts. B. Borisov, Bordini, Ed.; K.O. Tropin, Bordini, Tech. Ed.;  
 Z.F. Salnikova, Ed. or Set; Tuz, Borisov, Bordini, A.P. Vlasovskiy,  
 Doctor of Technical Sciences, and R.A. Bokin, Candidate of Technical Sciences;  
 Managing Ed. for Reference Literature (Mechanics); V.T. Krylov, Engineer.  
 PURPOSE: This handbook is intended for personnel responsible for repair and main-  
 tenance operations in a machinery-manufacturing plant.

CONTENTS: The handbook contains information pertinent to the organization of  
 repair and maintenance operations, design-preparation or maintenance work, and  
 economics of maintenance. Information on scientific research organizations and  
 plants participating in preparation of this volume is included in the coverage  
 of Volume 1 (SERV/359). There are no references. Basic topics covered include  
 mechanisms and assemblies of parts in maintenance operations; metalworking,  
 heating, and pipe fitting; finishing operations involved in maintenance work;  
 checking parts for precision; basic bench and assembly work; maintenance of  
 power equipment; and maintenance of foundations.

Manufacture and maintenance of basic parts for forging and pressing  
 equipment (Glasberg, Z.L., Engineer)  
 Forging hammers  
 Forging hammers  
 Horizontal forging machines  
 Steam-hydraulic presses  
 Crank presses

Maintenance and manufacture of parts for hoisting machinery  
 (Bordini, I.M., Engineer; and Bordini, T.L., Engineer)  
 General material requirements  
 Traveling wheels  
 Load-grabbing elements  
 Brakes  
 Slacks

Manufacture of metallic parts (Bordini, Tech., Engineer)  
 Method of stationary casting  
 Centrifugal method of casting  
 Manufacture of metallic worn parts, nuts, and other parts

Card 9/25

ANTOSHIN, Ye.V.

-25(3) 6-3 PAGE 1 BOOK APPROVALS

Sov7/1561

Spetsnachin mehanicheskoye stroitel'stvo i snabzheniye  
t. 2: Tekhnicheskaya promst. (Handbook for Mechanics of Machine-Building,  
Plants in Two Volumes, Vol. 2: Technology of Supply Operations) Moscow,  
Machine, 1958. Vol. 1959 p. 40,000 copies printed.

Reed. Red. Yu.S. Borilev, Engineer; Ed.: K.G. Tepis, Engineer; Tech. Ed.:  
S.Y. Scholzene, Ed. of Sci.; Yu.F. Borilev, Engineer; A.P. Vlachiyevich,  
Doctor of Technical Sciences, and S.A. Roekin, Candidate of Technical Sciences;  
Bibliogr. Ed. for Reference Literature (Machine); V.I. Krylov, Engineer,  
Bibliogr. Ed.

PURPOSE: This handbook is intended for personnel responsible for repair and main-  
tenance operations in a machine-manufacturing plant.

CONTENTS: The handbook contains information pertinent to the organization of  
repair and maintenance operations, design-preparations of maintenance work, and  
economics of maintenance. Information on scientific research organizations and  
plants participating in preparation of this volume is included in the sections  
of Volume 1 (Sov7/1559). There are no references. Basic topics covered include  
recognition and marking of parts in maintenance operations (including in maintenance work,  
boiling, and pipefitting); fastening operations (including in maintenance work);  
cleaning parts for prevention of dust and assembly work; maintenance of  
power equipment; and maintenance of foundations.

Editor: Ye. N. Kudryavtsev, and assembly work  
(Machine); Ye. N. Kudryavtsev, and assembly work  
Maintenance operations in maintenance of equipment  
Maintenance operations in maintenance of equipment  
straightening of deformed parts  
Repair of damaged bases  
Scraping out of surfaces and bases  
Maintenance of machines for supplies  
Layup

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Card 12/56

ANTOSHIN, Ye.V.

-25(5) 1-3 PHASE I BOOK EXPLOITATION

SOV/1361

Spetsnauk nauchnoe nauchno-tekhnicheskoe izdatelstvo  
 No. 2: Tekhnologiya remonta (Handbook for Mechanics of Maintenance)  
 Plants in Two Volumes, Vol. 2: Technology of Repair Operations) Moscow,  
 1958, Vol. 2, 1059 p., 60,000 copies printed.  
 Prep. M.I. Tsvetov, Researcher Ed., or Sect.; Yu.S. Borzov, Engineer Tech. Ed.;  
 Director of Technical Sciences, and R.A. Roakin, Chief of Technical Sciences;  
 Managing Ed. for Reference Literature (Mechanics); V.I. Otryazh, Engineer;  
 Prepr. This handbook is intended for personnel responsible for repair and main-  
 tenance operations in a machinery-manufacturing plant.

CONTENTS: The handbook contains information pertinent to the organization of  
 regular and maintenance operations, design preparation of maintenance work, and  
 maintenance of maintenance. Information on scientific research organizations and  
 plants participating in preparation of this volume is included in the foreword  
 of Volume 1 (SOV/1359). There are no references. Basic topics covered include  
 assembly and taking of parts or units of vehicles. Basic topics covered include  
 assembly, and Pipefitting; finishing operations involved in maintenance;  
 assembling parts for precision; assembling units; assembling work;  
 power equipment; and maintenance of foundations.

Bearings, Standard, and Units with bushings (Shaygol), Ye.M. Engineer;  
 Dzhidzhev, and Dryzly, I.I., Engineers;

Ballbushings and clamps;

Locking bearings with bushings

Assembly operations (Shaygol), Ye.M. Engineer, and Ryazly, I.I.,

Engineer;

Organizational assembly operations

Assembly of fixed joints

Assembly of roller bearings

bolt joints

Fitting of joints

Assembly of joints

Assembly of belt and chain drives

Assembly of gear and worm drives

Balancing of rotating parts and assemblies (Solntsev, S.V., Engineer)

Methods of static balancing

Methods of dynamic balancing

Card 13/26

ANTOSHIN, Ye.V

-35(5) p.3 PHASE I BOOK REPRODUCTION  
SOV/1361

Spravochnik inzhenera mashinostroyeniya po strukturnym  
i gornym rassledovaniyam (Handbook for Mechanics of Machine-Building  
Plants in Two Volumes, Vol. 2: Technology of Repair Operations) Moscow,  
Machine, 1958. Vol. 2, 2059 p. 40,000 copies printed.

Mem. Ed.: Prof. M. I. Tsvetkov, Professor; E. G. Tropin, Professor; Tech. Ed.:  
V. P. Slobodkin, Head of Dept.; Yu. S. Borisov, Engineer; A. P. Vladimirov,  
Doctor of Technical Sciences, and R. A. Rostov, Candidate of Technical Sciences;  
Publishing Ed.: for Reference Literature (Mathesis); V. I. Kozlyuk, Engineer.

PURPOSE: This handbook is intended for personnel responsible for repair and main-  
tenance operations in a machinery-manufacturing plant.

CONTENTS: The handbook contains information pertaining to the organization of  
repair and maintenance operations, dealing in preparation of maintenance work, and  
estimates of maintenance. Information on scientific research organizations and  
plants participating in preparation of this volume is included in the foreword  
of Volume 1 (SOV/1359). There are no references. Basic topics covered include  
machining and assembly of parts; basic machine tools; basic machine tool parts; basic  
lubricating and piping fittings; fluid-handling operations; metal-working,  
electrical parts for generation, heating, power, speech and assembly work; maintenance work  
of power equipment; and maintenance of foundations.

APPENDIX: The handbook contains information on checking geometric shapes and the interrelationship  
of machine parts (shape profile, angle, flatness, and parallelism); use of a flatness gauge  
and a dial caliper; use of a dial caliper; use and maintenance of the flatness gauge  
for checking the flatness of guides.

METHODS OF MEASURING THE POSITION OF ASSEMBLES AND PARTS  
(Slobodkin, V. P., Engineer)  
Checking the flatness or machine tool working parts which  
support the machined item  
Checking the flatness of machine tool working parts which support the machined item  
Burrilliness of the movement of the machined item  
Burrilliness of the movement checked in the vertical plane  
Checking the flatness of the movement checked in the horizontal plane  
which requires of rotation of the machine tool working parts  
which support the machined item or the tool

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Card 17/36

ANTOSHIN, Ye.V

25(5) 13 PAGE 1 BOOK EXPLOSION

SOV/2551

Ogranochnik mehanicheskikh ustroystv (Handbook for Mechanics of Machine-building).  
 Ch. 21. Tekhnologiya remonta (Handbook for Mechanics of Machine-building).  
 Parts in Two Volumes. Vol. 2: Technolgy of Repair Operations. Moscow,  
 Naukova Dumka, 1979. Vol. 1, 10,000 copies printed.

Supp. 14.1. Tch. 21. Bortsev, Engineer; Ed. K.G. Tropin, Engineer; Tech. Ed.:  
 T.J. Bobitov, Ed. of Sci.: Tch. 5. Bortsev, Engineer; A.P. Vlakhovskiy,  
 Doctor of Technical Sciences, and R.A. Rosch, Candidate of Technical Sciences;  
 Managing Ed. for Reference Literature (Managing): V.S. Krylov, Engineer.

Product: This handbook is intended for personnel responsible for repair and main-  
 tenance operations in a machinery-manufacturing plant.

Content: The handbook contains information pertinent to the organization of  
 repair and maintenance operations; design preparation of maintenance work, and  
 economics of maintenance. Information on scientific research organizations and  
 plants participating in preparation of this volume is included in the coverage.  
 There are no references. Basic topics covered include:  
 positioning and marking of parts in maintenance operations; maintenance of  
 hoists, and pipe-fittings; finishing operations involved in maintenance work;  
 checking parts for precision; basic bench and assembly work; maintenance of  
 power equipment; and maintenance of foundations.

Checking the reliability of metal-cutting machine tools (Bobitov, N.V.,  
 Bortsev)

Ch. 7. Basic Bench and Assembly Work and Adjustment of Coordinates. In  
 Sov. Maintenance of Industrial Equipment (Gor'kiy), Ye. N.,  
 Ed. Bortsev, Tch. 7.1. Ed. Bortsev  
 Maintenance of metal-cutting machine tools  
 Maintenance of machine tool beds  
 Criteria of measuring and test bases in repairing bed ways  
 Methods for repairing and checking bed ways  
 Maintenance of bed ways on machine tools  
 Maintenance of bed ways with the aid of portable devices  
 Repair by hand of bed ways  
 Removal or cutting on bed ways  
 Increasing the durability of bed ways (Lishanskiy, I.M., Engineer)

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Card 1936

SHEVN GOLD, ye M.

(11)

## PAGE 1. BOOK EXPLOITATION

SER/560

Mashino-zaibachibuhov obshchastvo makhinostroitiel'nyy proizvodstvovani.  
Tsvetnoi-tsvetnoiye pravilnike. Sistemnye resurci i mazernizatsiia oborudovaniya  
Mazernizatsiia i resurt oborudovaniya makhinostroitiel'stva i servisnyy (Mazernizatsiia  
i Repair of Machine-Building Plant Equipment). Moscow, Mashgiz, 1959.  
261. P. Kresti sib. Izdani. 6,100 copies printed.

Ed. (title page): R.A. Meklin, Candidate of Technical Sciences; Ed. (Inside back):  
A.V. Popov, Engineer; Tech. Ed.: V.D. Klyuchev, Manager; Ed. for Literature on  
Metallurgy and Machine-Tool Construction (Mashgiz); N.D. Sverdlov, Engineer;  
Editorial Board: R.A. Meklin (Chairman), Candidate of Technical Sciences;  
Tol's. S. Bortnev, Engineer; V.D. Pletner, Engineer; V.I. Mikhaylovsky, Engineer;  
and V.P. Golov, Engineer.

REMARK: This collection of articles is intended for technical personnel dealing  
with mazernizatsiia and overhaul of equipment.

CONTENTS: The articles in this collection deal with the basic trends and a number  
of specific problems in the mazernizatsiia of the machine industry. Mazernizatsiia  
of foundry, forging-shop, and crane equipment and problems in the automation of  
equipment repairs are discussed. Information is given as the use of utilised  
mazernizatsiia in the mazernizatsiia of metal-cutting machine tools on mazernizatsiia  
for prolonging the life of forged hammers, on methods of automatical vibro-  
electric hard facing of worn parts, on solidification, and on vibromazernizatsiia of  
forging hammer foundations. Some generalities are mentioned. References follow  
several of the articles.

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Pletner, V.A. [Engineer, Researcher]. Use of Utilised Subassemblies in the Construction of Metal-Working Machine Tools	112
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Rast, V.P. [Engineer]. Mazernizatsiia and Repair of Crane Equipment	127
Shchukin, Ye.I. [Engineer, Urablaucher]. Mazernizatsiia of Unique Plant	129

Card 7/8

LEVCHUK, G.G., inzh.; SHEYNGOL'D, Ye.M., inzh.; BYALYY, I.L., inzh.

Introducing new technological processes for equipment repair.  
Vest.mashinostr. 42 no.6:43-47 Je '62. (MIRA 15:6)  
(Charkov--Industrial equipment--Maintenance and repair)

SHEYNGOL'D, Ye.M.

Hoisting devices for easing the work of repair mechanics.  
Mashinostroitel' no.9:20-22 S '63. (MIRA 16:10)

(Hoisting machinery)

SHEYMIN, A., kandidat tekhnicheskikh nauk.

Some problems of introducing the aggregate method of repair.  
Avt.transp.33 no.10:13-15 0'55. (MIRA 9:1)

1.Zamestitel' nachal'nika Tekhnicheskogo upravleniya Ministerstva  
avtomobil'nogo transporta i shosseynykh dorog SSSR.  
(Motortrucks--Repairing)

SHEYNNIN, A., kand.tekhn.nauk; KUZ'MIN, N., inzh.

Effect of the transportation distance on automobile fuel  
consumption. Avt.transp. 35 no.9:14-15 S '57. (MIRA 10:10)  
(Automobiles--Fuel consumption)  
(Transportation, Automotive)

SHEYNNIN, A.

Calculation and analysis . of fuel consumption (according to  
new norms). Avt. transp. 38 no. 12;21-23 D '60. (MIRA 13:12)  
(Motor vehicles—Fuel consumption)

SHEYNNIN, A., kand.tekhn.nauk; KORNEICHEV, N., inzh.

Increasing the durability of tires. Avt.transp. 40  
no.11:16-18 N '62. (MIRA 15:12)

1. Proizvodstvenno-tehnicheskoye upravleniye Ministerstva  
avtomobil'nogo transporta i shosseynykh dorog RSFSR.  
(Tires, Rubber—Maintenance and repair)

SHEYNNIN, A.

Reports must be accurate. Fin. SSSR 22 no.10:65-68 0 '61.  
(MIRA 14:9)

1. Zamestitel' glavnogo bukhgaltera upravleniya stroitel'stva  
Novosibirskogo sovnarkhoza.  
(Novosibirsk Province--Construction industry--Accounting)

SHEYNIN, A., kand. tekhn. nauk

Development of an economic and technical base for automotive  
transportation. Avt. transp. 41 no.8:19-21 Ag '63.  
(MIRA 16:11)

SHEYNNIN, A., kand. tekhn. nauk

Calculating maintenance and repair requirements of a motor vehicle fleet.  
Avt. transp. 42 no. 9:22-26 S '64. (MIRA 17:11)

PORNOVA, S.L.; ROMEZNIKOV, V.M.; ANANCHENKO, S.N.; SHEINKER, Yu.N.;  
ZORGOV, I.V.

Nuclear magnetic resonance of some D-homosteroids. Dokl. AN  
SSSR 166 no.1:125-128 Ja '66.

(MIRA 19:1)

1. Submitted March 27, 1965.

SHABUKAREV A. B.

USSR/Chemistry - Physical Chemistry

Aug 52

"The States of Iodine in Several Organic Solvents," S. A. Shabukarev, L. S. Lilich and A. B. Sheynin

"DAN SSSR" Vol 35, No 6, pp 1333-1335

It is believed that a coordination bond arises between the I and the solvent mol when I is dissolved in an org solvent. In the present work, I is dissolved in varying concns in solvents ( $\text{Cl}_4$ ,  $\text{C}_4\text{H}_9\text{Cl}$ ,  $\text{C}_2\text{H}_5\text{Br}$ ,  $\text{C}_4\text{H}_9\text{Br}$ , and  $\text{C}_2\text{H}_5\text{I}$ ) and the vapor pressures of I noted. It is found to decrease in the following order:  $\text{CCl}_4$   $\text{RCl}$   $\text{RBr}$   $\text{RI}$ . The vapor pressure of  $\text{I}_2$  over  $\text{CCl}_4$  follows Henry's law of satn. The degree of interaction of I with the solvent increases with the degree of the electron-donating properties of the solvent. The hypothesis of the formation of a coordination-covalent bond between the I and the solvent is confirmed. Presented by Acad A. N. Terenin 18 Jun 52

238718

3. N. N. 715.

USSR/Physical Chemistry - Thermodynamics, Thermochemistry, B-8  
Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 370

Author : Yu.S. Varshavskiy, A.Ya. Kapnis, A.B. Sheynin

Inst : Academy of Sciences of USSR

Title : Composition of Equilibrium Gaseous Phase above Binary  
Solution and Van der Waals Equation.

Orig Pub : Zh. fiz. khimii, 1957, 31, No 5, 1166-1168

Abstract : Discussion article. See Reshetnikov M.A., Dokl. AN  
SSSR, 1949, 68, 531.

Card 1/1

sov/80-32-5-18/52

5(4)

AUTHORS: Kheyfets, V.L., Sheynin, A.B.

TITLE: The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 5, pp 1039-1042 (USSR)

ABSTRACT: The measurement of the surface tension on the boundary of two liquid phases is very difficult. For this purpose a new method has been applied, based on the determination of the boundary angle between the two phases. At a low size of the immersed droplet both its halves can be regarded as segments of a circle, from which the angle can be calculated. A similar idea has been used in the method employed by Mikiashvili, Samarin and Tsylev [Refs 2,3]. Molten systems of the type matte-slag are investigated here, which are important for the non-ferrous metallurgy. The surface tension on the boundaries matte-gas and slag-gas was determined by the method of the maximum pressure of gas bubbles [Refs 4, 5]. A slag drop of 0.2 - 0.5 g was immersed into the system which was kept in a flow of nitrogen for 30 min at 1,300°C. Then the size of the droplet magnified 10-fold was projected on a screen. The error was 5-10%. Both the surface and inter-phase

Card 1/3

sov/80-32-5-18/52

## The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

tension decrease with the increase of iron sulfide content in the melt. Analogous relations were found by Sryvalin, Yesin and Nikitin [Refs 8,9] for the systems  $\text{Cu}_2\text{S}$ -FeS and  $\text{Cu}_2\text{S}$ - $\text{Ni}_3\text{S}_2$ . For the calculation of the inter-phase tension the data of Vanyukov and Ivanov [Ref 10] were also used. The surface tension of slags is the lower, the higher the silica content in them. The substitution of CaO by FeO increases the inter-phase tension. The "mechanical" losses in the nickel production can be reduced by increasing the inter-phase tension which facilitates the aggregation of the matte reguli. The surface tension increases with the decrease of the nickel content in the matte. There are: 3 graphs, 1 diagram and 10 references, 7 of which are Soviet, 2 English and 1 German.

Card 2/3

sov/80-32-5-18/52

The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

ASSOCIATION: Proyektnyy i nauchno-issledovatel-skiy institut nikel'evoy, kobal'tovoy i olovyannoy promyshlennosti (Planning and Scientific Research Institute of the Nickel, Cobalt and Tin Industry)

SUBMITTED: February 18, 1958

Card 3/3

SOV/76-33-9-9/37

5(4)  
AUTHORS: Kheyfets, V. L., Sheynin, A. B.  
TITLE: Oscillographic Investigation of the Kinetics of Electrode Processes. I) Method  
PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 1945-1950 (USSR)  
ABSTRACT: An investigation of the kinetics of electrode processes by means of oscillographic diagrams with the coordinates potential-time as obtained by the switching on and off of the polarization current was already performed by V. A. Royter et al (Refs 1-3). A. T. Vagramyan and Z. A. Solov'yeva (Ref 8) pointed out that the short recording time of the oscillographic method is an advantage of such kind that the influence of a surface change of the electrode is avoided. Citing the works of V. A. Royter, V. A. Yuza, Ye. S. Poluyan (Ref 1) and V. I. Kravtsov (Ref 6) a method of analyzing oscillograms as obtained by switching on and off of the current is described in the present paper, which may be applied to arbitrary amounts of polarization and permits the determination of the amount of the exchange current  $i_0$  and the coefficients  $\alpha$  and  $\beta$ . The effect of a parallel proceeding electrochemical secondary

Card 1/2

SOV/76-33-9-9/37

Oscillographic Investigation of the Kinetics of Electrode Processes.

I) Method

process on the electrode upon the shape of the oscillogram is discussed and confirmed that no such effect may be ascertained as long as the contribution of the by-process does not exceed 20%. The analysis of the influence of concentration changes on the phase boundary electrode-electrolyte upon oscillograms confirmed (equations (17) and (18)) that for cathode polarization the current change is proportional to activity changes on the boundary electrode-electrolyte so that the described method is not applicable, while it may be applied for anode polarization that is not too low. There are 10 references, 8 of which are Soviet.

ASSOCIATION: Institut nikalevoy, kobaltovoy i clovyannoy promyshlennosti Gipronikel' (Institute of the Nickel, Cobalt and Tin Industry Gipronikel')

SUBMITTED: February 19, 1958

Card 2/2

VARSHAVSKIY, Yu.S.; KIPNIS, A.Ya.; SHEYNNIN, A.B.

More about the approximate equation of Van der Waals. Zhur.  
fiz.khim.34 no.1:211 Ja '60. (MIRA 13:5)  
(Equation of state)

ZINOV'YEV, V.A.; SHEYNIN, A.B.; KHEYFETS, V.L.

Oscillographic study of the kinetics of electrode processes.  
Part 2: Cobalt electrode in cobalt sulfate solutions. Zhur. fiz.  
khim. 35 no.1:98-101 Ja'61. (MIRA 14:2)

1. Gosudarstvennyy institut nikellevoy, kobal'tovoy i olobyannoy  
promyshlennosti. (Cobalt)

SHEYNNIN, A.B.; ZINOV'YEV, B.A.; KHEYFETS, V.L. (Leningrad)

Oscillographic study of the kinetics of electrode processes. Part 3:  
Cobalt electrode in solutions of various compositions. Zhur. fiz.  
khim. 35 no.3:513-516 Mr '61. (MIRA 14:3)

1. Institut nikel'evoy, kobal'tovoy i olovyannoy promyshlennosti  
Leningrad. (Electrodes, Cobalt)

KHEYFETS, V.L.; SHEYNNIN, A.B.; KRASIL'SHCHIK, B.Ya.; FISHER, Yu.V.

Measurement of the differential capacity of electrodes and of  
the resistance of electrochemical reactions by means of  
alternating current. Zhur.prikl.khim. 35 no.7:1550-1556  
Jl '62. (MIRA 15:8)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy  
promyshlennosti.

(Electrodes) (Electrochemistry)

VARSHAVSKIY, Yu.S.; SHEYNIN, A.B.

Entropy of systems containing scarcely distinguishable components.  
Dokl. AN SSSR 148 no.5:1099-1101 F '63. (MIRA 16:3)

1. Predstavлено академиком А.А.Гринбергом.  
(Entropy) (Gases)

ЧИРЧИКИ, И.М.; АДДИКИ, А.А.

...-лярности в сортировке личного состава активного резерва  
и конфиденциальности. Изв. въе. учен. зав.; т. 197. №. 6:38-44  
(МГИА 15:3)

1. Институт "Гипроникар" / Ленинградский горный институт.

SHEYNNIN, A.B.; RYTVINSKAYA, M.V.; KHEYFETS, V.L. (Leningrad)

Oscillographic study of the kinetics of electrode processes.

Part 4. Zhur.fiz.khim. 38 no.11:2562-2568 N '64.

(MIRA 18:2)

1. Nauchno-issledovatel'skiy i proyektnyy institut "Gipronikel".

VIGDORCHIK, Ye.M.; SHEYNIN, A.B.

Analytical regularities of continuous dissolution with recirculation of the solid phase. Izv. vys. ucheb. zav.; tsvet. met. 8 no.1:43-51 '65.  
(MIRA 18:6)

1. Nauchno-issledovatel'skiy i proyektnyy institut "Gipronikel".

CHIKHARIK, Ye.M.; CHIKHARIK, A.B.

Mathematical description of continuous processes of dissolution.  
Dokl. AN SSSR 210 no.4:879-882 F 165. (MIRA 18:2)

1. Proyektnyy i nauchno-issledovatel'skiy institut "Gipronikel".

VIGDORCHIK, Ye.M.; SHEYMIN, A.B.

Continuous dissolution in a cascade of reactors with a constant concentration of the active reagent. Dokl. AN SSSR 160 no.3:661-664 Ja '65.  
(MIRA 18:3)

1. Proyektnyy i nauchno-issledovatel'skiy institut Gipronikel'.  
Submitted July 18, 1964.

KOROGODSKIY, M.V.; SHEYNIN, A.M., redaktor; MULIKOVA, I.F., tekhnicheskiy  
redaktor

[Work practice with automobile trains; work practice of driver V.P.  
Bondarchuk of the auto brigade of the All-Union transportation  
Maintenance Association] Opyt raboty na avtopoezde; iz opyta ra-  
boby shofera Kirovogradskoi avtoroty Soiuzzagottransa V.P.Bondar-  
chuka. Moskva, Nauchno-tekhn.izd-vo avto-transportnoi lit-ry, 1955.  
30 p. (MIRA 9:2)

(Automobile trains)

SHEYNIN, A.M., kandidat tekhnicheskikh nauk.

Effect of operation factors on fuel consumption in automobiles.  
Trudy MADI no.19:80-101 '56. (MIRA 10:1)  
(Automobiles--Fuel consumption)

BRONSHTEYN, L.A., kand.tekhn.nauk; nauchnyy sotrudnik; BILIBIN, I.V., nauchnyy sotrudnik; KVITCHENKO, Ya.P., nauchnyy sotrudnik; LEVIN, D.M., nauchnyy sotrudnik; NADEZHDIN, B.N., nauchnyy sotrudnik; NOVIKOVA, A.I., nauchnyy sotrudnik; PONIZOVKIN, A.N., nauchnyy sotrudnik; SHEYNIN, A.M., nauchnyy sotrudnik; ZUYEVA, N.K., tekhn.red.

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KRAMARENKO, G.V., kand.tekhn.nauk; KRICHESKIY, Z.A., inzh.;  
LEVIN, D.M., kand.tekhn.nauk [deceased]; Prinimali uchastiye: .  
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SHLIPPE, I.S., kand.tekhn.nauk; NAYDENOV, B.F., inzh. AFANAS'IEV,  
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transp. 38 no. 5:15-18 My '60. (MIRA 14:2)  
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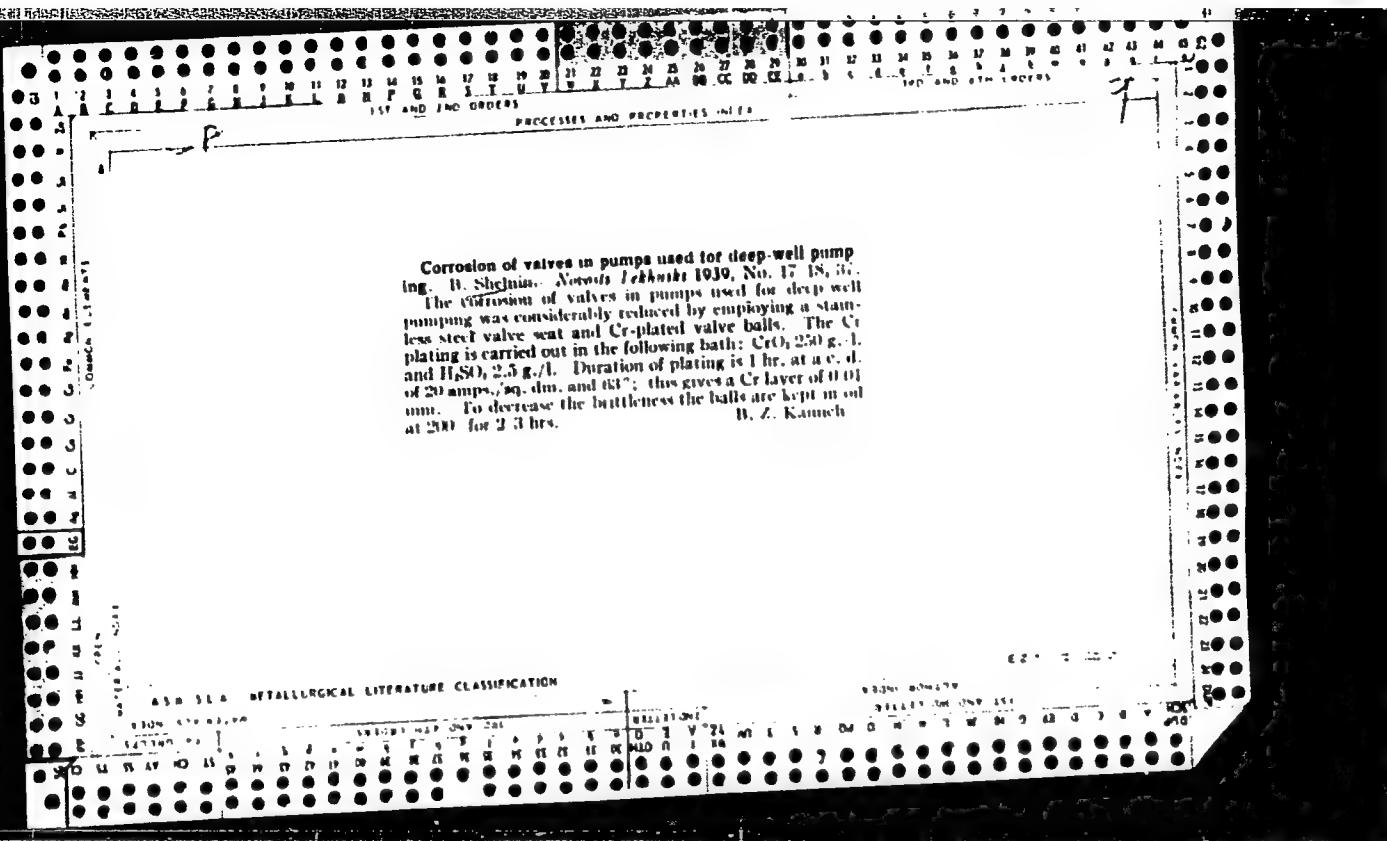
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PINUS, E.R., inzh.; KORSHUNOV, V.I., inzh.; SHEYNIN, A.M., inzh.

Utilization of the waste from crushed carbonaceous rocks in  
concrete. Avt. dor. 28 no.5:20-22 My '65. (MIRA 18:11)



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tubes with 3 layers of Bakelite to which kaolin and a plastic-  
izer were added. After the application of each coating the  
tube is dried for 2 hrs. and then subjected to the following  
heat-treatment: 2 hrs. at 80° and 100°, 1 hr. at 100° and  
110°, and 2 hrs. at 120°, 140°, and 160°. Tests with tubes  
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SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

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PA 46/49T34

USSR/Engineering  
Fuel Conservation  
Power Plants, Electric

Aug 48

"Rostov Oblast Scientific-Technical Meeting on  
Fuel Economy," B. I. Sheynin, Cand Tech Sci,  
3 pp

"Za Ekonomiyu Topliva" Vol V, No 8

Eighty-five industrial-power engineers, elec-  
trical engineers, and government representatives  
participated in subject conference, 25-26 May 48.  
Heard and considered 13 reports, five on intro-  
duction of new techniques and improvement in  
fuel utilization in oblast electric power plants.

46/49T34

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331C4

Teplootdacha Parogazovoy Smesi S Nebolgshim Soderzhaniem Para. Trudy Rost. N/D In-Ta.  
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ABRAMOV, A.S.; SHEYNNIN, B.I.; LEBEDEV, M.V., redaktor; NOVOCHADOV, A.G., redaktor; GUROVA, O.A., tekhnicheskiy redaktor.

[Fuel, furnaces and boiler installations] Toplivo, topki i kotel'nye ustanovki. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1953. 247 p. (MLRA 7:8)  
(Boilers)

Mashinist i chisl. ego kompreseora (Piston Compressor Operators), Gosenergizdat.

The booklet describes problems of theory, functioning, and arrangement of compressors, and includes instruction for the care, testing, and maintenance of piston compression units, and measures for organizing the work area of operators.

The booklet is intended for piston-compressor operators.

SO: Sovetskaya kniga (Soviet Books), No. 183, 1953, Moscow, (U-6472)

LAVROV, N. A., Eng.; REYNIN, B. I.

Coal, Pulverized

Practical scheme for supplying coal dust from air mills to burners. Elek. sta. 23, No. 2, 1953.

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Jl '53. (MLRA 6:7)  
(Electric power plants) (IUrakov, V.N.)

USSR/Engineering - Power

FD-2245

Card 1/1 Pub 41-13/17

Author : Katarzhis, A. K., Kosterin, S. I., and Sheynin, B. I., Moscow

Title : An electrical method of registering the separation of a steam-water mixture

Periodical : Izv. AN SSSR. Otd. Tekh. Nauk 2, 132-136, Feb 1955

Abstract : Describes a method for registering the separation of a steam-water mixture by using an electrically heated filament. The device works on the principle that the filament would have different heat emissions in steam and water. Diagrams, table. One USSR reference.

Institution:

Submitted : January 31, 1955

SEARCHED, SERIALIZED

AID P - 1321

Subject : USSR/Engineering

Card 1/2 Pub. 110-a - 3/19

Authors : Davidov, A. A., Eng., Polyakov, V. V., Eng. and  
Sheynin, B. I., Kand. of Tech. Sci.

Title : Study of the distribution of the steam-water mixture from  
the header along the piping system

Periodical : Teploenergetika, 2, 15-19, F 1955

Abstract : The results of research experiments are presented con-  
cerning the distribution of the steam-water mixture as  
observed on laboratory test equipment. Those experiments  
show the relation existing between the indexes of distri-  
bution of the steam-water mixture and of the volume load  
per second of the distributing header. Recommendations  
are presented concerning the choice of some elements of  
construction. Diagrams, charts.

Teploenergetika, 2, 15-19, F 1955

AID P - 1321

Card 2/2 Pub. 110-a - 3/19

Institutions: Institute of Power Engineering, Academy of Sciences, USSR; TETS #9 of Mosenergo (Moscow Power Plant System); BPK (Bureau for the Construction of Continuously Operating Coal Boilers).

Submitted : No date

AID P - 3393

Subject : USSR/Electricity  
Card 1/1 Pub. 29 - 8/30  
Authors : Krasnoperov, F. A., and B. I. Sheynin, Engs.  
Title : Cooling of the supporting crown of a boiler  
Periodical : Energetik, 10, 14-15, 0 1955  
Abstract : The author describes a 150 t/hr capacity Ramsin once-through boiler which was interrupted several times in its operation because of the burning out of its crown. A cooling of the crown was developed, which the author describes as successful. Two drawings.  
Institution : None  
Submitted : No date

KOSTERIN, S.I., doktor tekhnicheskikh nauk; SHEYNIN, B.I., kandidat tekhnicheskikh nauk; KATARZHIS, A.K., inzhener.

Experimental characteristics of the occurrent flow of a steam-water mixture in a straight horizontal tube. Teploenergetika 3 no.1:22-26 Ja '56. (MIRA 9:2)

1. Energeticheskiy institut Akademii nauk SSSR.  
(Fluid dynamics)

SEMIN, B.I., kandidat tekhnicheskikh nauk; VOLKOVA, V.I., inzhener.

Investigating the effect of the velocity of a steam-water mixture  
in the dispensing collector on the distribution among the parallel  
turns. Teploenergetika 4 no.9:37-40 S '57. (MLRA 10:8)

1. Energeticheskiy institut Akademii nauk SSSR i Moskovskoye  
otdeleniye tsentral'nogo kotloturbinozgo instituta,  
(Boilers)

AUTHOR: Kosterin, S.I., Doctor Tech.Sci. and Sheynin, B.I., SOV/96-58-6-14/24  
Cand.Tech.Sci.

TITLE: Hydraulic frictional resistance to flow of a steam/water mixture in a straight horizontal tube. (Gidravlicheskiye soprotivleniya treniya techeniyu parovodyanoy smesi v pryamoy horizontal'noy trube).

PERIODICAL: Teploenergetika, 1958, V. 5. No.6. (USSR) pp. 71-76

ABSTRACT: Two methods have been used to calculate the hydraulic frictional resistance to flow of a two-phase mixture in a tube. The first employs the Darcy-Weissbach formula, which is clearly arbitrary. The second method of calculation is based on relative pressure drops: this method is convenient both in theory and practice, and is used by many investigators. To clarify the main relationships of the hydrodynamics of flow of a two-phase system in a straight horizontal tube, an analytical study is made of the most typical flow structure. Under a wide variety of conditions the flow separates out into two layers: this was observed under various conditions with steam contents by weight ranging from 15 to 65% (see fig.2.), and was accordingly taken as the typical mode of flow. An expression is derived for the specific pressure-drop in the liquid phase, which is equal to that in the gas phase. Then a dimensionless expression is derived for the pressure drop, which is expressed in

Card 1/3